

IN THE SPECIFICATION

Please replace the paragraph bridging pages 5 and 6 of the specification with the following revised paragraph:

--The luciferase of the present invention can be prepared from luminescence organs of luminescent organisms. The luminescent organisms include luminescent insects and luminescent bacteria. The luminescent insects include those belonging to the order *Coleoptera*, such as those belonging to the family firefly and the family *Pyrophorus*. Specific examples include GENJI firefly, HEIKE firefly, North American firefly, Russian firefly, *Pynophorus plagiophthalmus*, *Arachnocapa luminosa*, and Rail worm. Further the luciferase of the present invention is obtained by cloning a luciferase gene from the luminescent organism and allowing the gene to express using an appropriate vector—host system.--